

VESTA.

HAMBURG.				Meridian Circle.				(M. Rümker.)			
		R.A.		Decl.				R.A.		Decl.	
1848.		^h	^m ^s	^o	['] ["]	1848.		^h	^m ^s	^o	['] ["]
Sept. 7	0	17	42.33	—10	33 24.1	Sept. 24	0	2	36.43	—12	31 51.6
9	0	16	3.99	10	48 47.8	30	23	57 12.46	13	3 1.7	
12	0	13	30.46	11	11 24.6	Oct. 1	23	56 20.45	13	7 28.3	
14	0	11	44.87	11	26 4.2	6	23	52 11.99	13	26 21.0	
15	0	10	51.01	11	33 16.2	7	23	51 25.12	13	29 22.8	
20	0	6	17.23	12	7 18.3	10	23	49 11.17	—13	37 9.6	
23	0	3	31.52	—12	26 0.7						

MAUVAIS' THIRD COMET.

CAMBRIDGE, U.S. (Mr. W. C. Bond.)

“ By five micrometrical comparisons with 18 *Leonis*, its position was found to be,

1848.	Cambridge M.T.			R.A.			Dec.		
	h	m	s	h	m	s	°	'	"
April 21	9	9		9	37	41.8	+12	29	7

referred to the mean equinox of Jan. 1.

“ The comet was faint, but admitted of pretty good determinations. It exhibited to the last the star-like scintillations which have all along distinguished it.”

ENCKE'S COMET.

“ The comet was first seen at Cambridge, U. S., on August 27. It was a faint patch of misty light, 1' or 2' in diameter.

“ At 14^h local M.T., R.A. = 3^h 19^m 28^s, Dec. +31° 57' by the instrument corrected.

Star—Comet.								
1848.	Cambridge M.T.			R.A.	N.P.D.	No. of Obs.	Star.	
	h	m	s	m	'	"		
Aug. 29	12	50	53	+ 0	9°33	+ 5 35.2	18 9	<i>a</i>
30	12	57	36	+ 0	18°97	— 3 51.3	12 10	<i>b</i>
31	12	40	1	+ 1	20°05	— 2 20.8	10 10	<i>c</i>

Approximate Places of Stars of Comparison.

		R.A.			Dec.		
		h	m	s	°	'	"
<i>a</i>	10 mag.	3	23	40	+32	31	
<i>b</i>	10–11 mag.	3	26	6	+33	2	} Another star precedes this by 13.6
<i>c</i>	9 mag.	3	29	20	+33	21	

“ From the faintness and diffusion of the comet, these determinations may be uncertain 10" or 15". Something like a centre is, however, suspected.”

HAMBURG.

(M. Rümker.)

	Hamburg M.T.	R.A.	Decl.
	^h ^m ^s	[°] ['] ^{''}	[°] ['] ^{''}
Sept. 23	8 51 8	71 39 16.4	+44 13 55.0
24	8 54 27	73 9 45.6	44 52 30.8
Oct. 1	9 29 48	86 48 47.3	49 31 31.5
5	14 46 53	99 7 54.1	51 58 19.5
6	10 23 7	101 59 48.4	52 20 42.3
7	11 35 17	105 54 32.9	+52 43 15.9

PETERSEN'S SECOND COMET.

"On the evening of October 26, at 8 P.M. Dr. Petersen discovered a telescopic comet in the constellation *Draco*. It is tolerably large, and has an evident nucleus. It was carefully compared the same night with a small star, and its hourly motion found to be about + 11^s in R.A. and + 1' 20" in N.P.D."

ALTONA.

(Professor Schumacher and Dr. Petersen.)

	Altona M.T.	R.A.	Decl.
	^h ^m ^s	^h ^m ^s	[°] ['] ^{''}
1848. Oct. 26	11 41 20.2	18 18 7.9	
	11 50 5.3		+63 11 53.3
Nov. 4	12 9 30.1	18 59 33.0	+57 45 41.6

BERLIN.

(Professor Encke.)

	Berlin M.T.	R.A.	Decl.	Arg. Zones.
	^h ^m ^s	[°] ['] ^{''}	[°] ['] ^{''}	
Oct. 28	8 27 43.9	276 38 1.3	+62 12 32.6	
29	7 59 50.3	277 44 51.5	61 39 38.7	
30	7 33 28.4	278 52 19.7	61 5 34.8	
Nov. 2	9 58 47.2	282 26 33.9	59 10 29.2	
7	6 36 39.0	288 6 2.4	55 44 58.1	xvi, 8 : xxxviii, 8
8	8 29 47.8	289 21 14.8	54 54 43.8	— 32 — 23
9	6 28 32.7	290 25 23.7	54 10 39.6	— 24
10	9 21 36.2	291 43 31.2	+53 14 58.2	xiv, 53

"If in Zone xvi. 32, you read 20^s.75 instead 19^s.75, which Professor Encke thinks should be done, the R.A. of Nov. 8 must be diminished 7".5."

HAMBURG.

(M. Rümker.)

	Hamburg M.T.	R.A.	Decl.
	^h ^m ^s	^h ^m ^s	[°] ['] ^{''}
1848. Oct. 28	9 14 27	18 26 42.49	+62 11 10.1
29	10 37 24	31 33.52	61 35 29.0
Nov. 2	8 11 52	18 49 30.19	+59 13 8.5